



New Shop Floor Perspectives

Connecting production cells with AGV technology

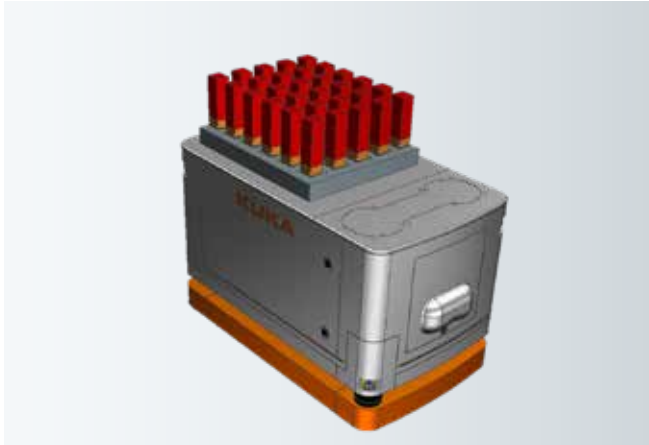


Connecting Production Cells

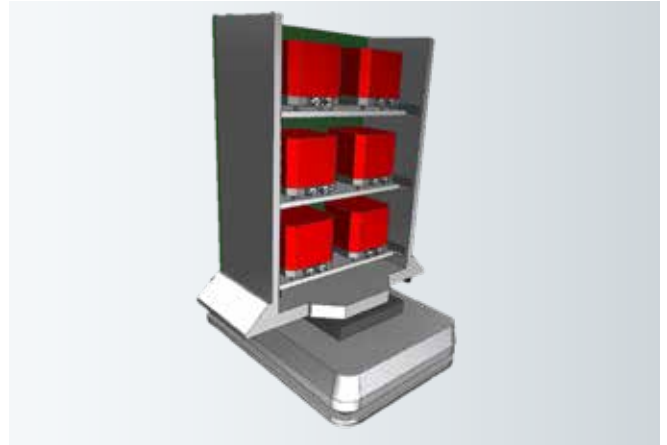
The EROWA process control system JMS® 4.0 enables the use of different AGV solutions for complete workshop automation. Several automation cells or lines can be connected to AGV via JMS 4.0. The cross-technology interlinking of automated production systems opens up new perspectives for cost-optimized production processes.



Possible Applications



Depending on the application, the AGV solution is optimally designed to meet the needs of internal transportation. It is possible to convey large and small workpieces, electrodes or tools. Together with the customer and the respective AGV supplier, the appropriate vehicle types are evaluated and integrated into the EROWA system in terms of software and hardware.



In addition to transporting individual or several parts, entire workpiece or tool storage units can also be moved from cell to cell. EROWA offers the necessary interfaces for the integration into the already automated production: The next step in automation is to optimize existing processes to the maximum by linking internal transports with AGVs across all technologies.



Our solutions offer the necessary interfaces for the exchange of cutting tools, workpieces or electrodes between automation cells or lines. These include our zero point clamping systems and available interfaces on the side of our robots, but mainly the mature JMS 4.0 software solutions, which can manage the existing workflows across technologies.

FACTS

- JMS 4.0 controls all production components, optimizes workflow management and provides the necessary interfaces to all objects (CAD/CAM systems, CNC machines, robots, AGV fleet management, etc.).
- An optimized work organization is possible by central setup places.
- Existing automation solutions are brought to a higher level of autonomy thanks to AGV technology, reducing time-consuming and tedious transport between manufacturing methods.
- EROWA offers the necessary hardware and software complementary technologies to provide AGV solutions.
- The open JMS 4.0 process control system by EROWA allows the integration of common AGV systems. These solutions are completely scalable and expandable.

The Next Step

Important things need to be planned. And your next step is certainly one of the important things. Because it is your entry into a new, rational time.

We are happy to accompany you. Consulting, in practice. So that you always know what you are getting into. The nearest EROWA branch is not far away - **take the step.**



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